## SU 1723125

L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN

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## Bis-N-aziridinealkanes as mutagens

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DT Patent

LA Russian

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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ΡI	SU 1723125	A1	19920330	SU 1989-4767001	
19891208 <					
PRAI	SU 1989-4767001		19891208		
AB Bis-N-aziridinealkanes (I; n = 3-8, 12) are mutagens.					

IT Alkanes, compounds

RL: BIOL (Biological study)

(bisaziridine derivs., as mutagens)

IT Mutagens

(bisaziridinealkanes)

IT 18924-57-7 25781-25-3 40717-38-2 56522-41-9 134753-77-8 134753-78-9 134753-79-0 RL: BIOL (Biological study)

(as mutagen)

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Alpha, omega-bis-N-aziridino-alkane(s) used as chemical mutagens – are prepd. by reacting alpha, omega-diaminoalkane with dihalo-ethane in dichloroethane or benzene in presence of alkali

Patent Assignee: CHEM PHYS INST

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Patent Details:

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Abstract (Basic): SU 1723125 A

Alpha, omega -bis-N- aziridinoalkanes of formula (I), where n = 3-8 and 12 is obtd. by

## SU 1723125 cont.

reacting alpha, omega-diaminoalkane with 1,2-dihaloethane in 1,2-dichloroethane or benzene, in the presence of 50% alkali, at 60-70 deg.C.

USE/ADVANTAGE - In genetics. (I) find novel use as chemical mutagens. They are safer and more active than the parent aziridine of formula (II), and are used as mutagens for bacterial cells of Salmonella typhimurium TA 100 with the genotype hisG46uvrBrfa pKM 101. The cpd. boils at much higher temp. of 190-220 deg.C, compared with (II) which boils at 50 deg.C. Bul.12/30.3.92